



TCR/R-2063-6T-F-400 IE3



400 °C/2h centrifugal extractor fans with backward curved impeller

Extremely robust 400 °C/2h centrifugal, single-inlet extractor fans for outdoor operation in fire risk zones and fitted with a backward curved impeller.



Fan:

- Sheet steel casing.
- Backward curved impeller in very robust sheet steel, with anti-heat paint.
- Approved in accordance with standard EN 12101-3, with certificate no.: 0370-CPR-0400.

Motor:

- Class F motors with ball bearings and IP55 protection.
- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Maximum temperature of air to be carried: S1 -25 °C+ 250 °C continuous service. S2 300 °C/2h and 400 °C/2h service.

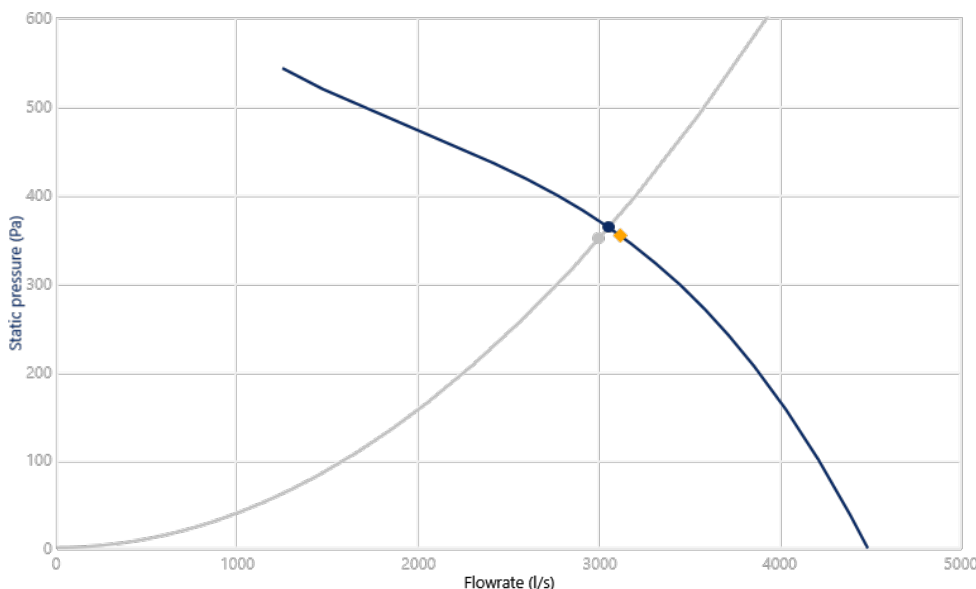
Finish:

- Anti-corrosive finish in polyester resin, polymerised at 190 °C, after degreasing with phosphate-free nanotechnology treatment.

On request:

- Fans with 2 speed motor.
- Belt-driven extractor fans.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³



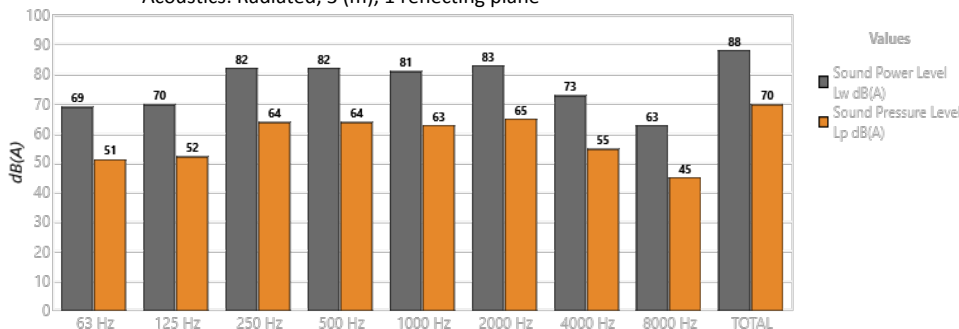
Design Point

Q (l/s)	3000
Ps (Pa)	350

Service Point (SP)

Q (l/s)	3053
Ps (Pa)	362.5
Pd (Pa)	56.36
Pt (Pa)	418.8
Impeller (rpm)	950
Max. Temp. (°C)	250
Outlet air speed (m/s)	9.692
Efficiency (%)	86.5
SFP (kW/m ³ /s)	0.5833
Mechanical power (kW)	1.478

Acoustics: Radiated, 3 (m), 1 reflecting plane



Band	Lw dB(A)	Lp dB(A)
63 Hz	69	51
125 Hz	70	52
250 Hz	82	64
500 Hz	82	64
1000 Hz	81	63
2000 Hz	83	65
4000 Hz	73	55
8000 Hz	63	45
TOTAL	88	70



TECHNICAL CHARACTERISTICS

Airflow maximum (l/s)	4482
Speed (rpm)	950
Maximum static pressure (Pa)	542.7
Maximum total pressure (Pa)	552.1

ERP

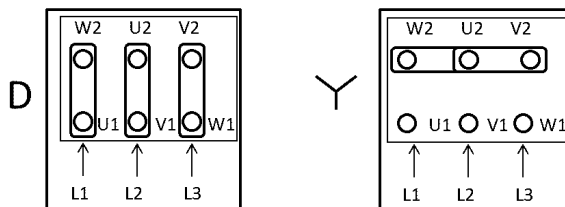
Efficiency	71.4%
Efficiency grade N	76.1
Measurement category	B
Efficiency category	Total
Specific ratio	1.00
Flowrate (m ³ /h)	11234

Pressure (Pa)	412
Input power (kW)	1.798
Speed (rpm)	952
Variable speed drive	VSD not necessary
ErP compliance	2015

♦ Data established at point of optimum efficiency

MOTOR DATA

Rated Mechanical Power (kW)	1.5
Hz/phases	50/3
Motor (rpm)	950
Poles	6P
Max. current (A) 380-415 V Y	3.7
Max. current (A) 220-240 V D	6.43
Motor protection	IP55
Motor frame size	100L



Data can change, please check motor plate

DIMENSIONS

A	B	C	ØD1* [1]	Ød	Ød1	Ød2	E	F	G	H	I	M	N
1037	1218	932	507	720	688	M10	465	572	477	741	620	530	60

Ø01	P	Q	R	J	J1	J2	K	k	k1	k2	L	Ø0
13	917	1098	30	750	95	690	500	125	92.5	560	630	13

A

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

Approx. weight (kg)	213
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